



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D2611
Job Sheet 190056



Part No: D2611

Job Qty: 50 pcs

Part Name: Bearing



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/4/19

Job Tracking No:

Due Date: 3/22/19

Created By: Jesse White

Type: SOLD

Description:

Note: DWG REV C IPP Rev:B 99.06.23 Re-format DM Change to SS; Change Supplier- Rev.C 07.03.14 EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
100	Purchasing	50 pcs	3/22/19	3/22/19	0.00	0.00	Purchasing - 1 Purchasing - 2 Purchasing - 3	FEB 08 2019
110	Packaging 2-1 - Receive - B4B	50 pcs	3/22/19	3/22/19	0.00	0.00	Packaging 2 - 1 - B4B Packaging 2 - 2 - B4B Packaging 2 - 3 - B4B Packaging 2 - 5 - B4B Packaging 2 - 4 - B4B Packaging 2 - 6 - B4B Packaging 2 - 7 - B4B Packaging 2 - 8 - B4B Packaging 2 - 9 - B4B Packaging 2 - 10 - B4B Packaging 2 - 11 - B4B Packaging 2 - 12 - B4B Packaging 2 - 13 - B4B Packaging 2 - 14 - B4B Packaging 2 - 15 - B4B Packaging 2 - 16 - B4B Packaging 2 - 17 - B4B Packaging 2 - 18 - B4B Packaging 2 - 19 - B4B Packaging 2 - 20 - B4B Packaging 2 - 21 - B4B Packaging 2 - 22 - B4B Packaging 2 - 23 - B4B Packaging 2 - 24 - B4B Packaging 2 - 25 - B4B Packaging 2 - 26 - B4B Packaging 2 - 27 - B4B Packaging 2 - 28 - B4B	FEB 08 2019

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL : 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com



Container No: S152120



Part: D2611

Job No: 190056

Serial No/Batch: S152120

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 02/06/19

Plex 2/4/19 1:33 PM dart.white.jesse

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
120 QC 6	50 pcs	3/22/19	0.00 0.00		QC 6 - 38	
					QC 6 - 42	
					QC 6 - 9	DAS
					QC 6 - 68	MAR 13 2019 68
					QC 6 - 61	9-89
130 Packaging 3-1 - Stock - B4B	50 pcs	3/22/19	0.00 0.00		Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	DAS
					Packaging 3 - 7 - B4B	58 MAR 13 2019
					Packaging 3 - 8 - B4B	9-89
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
140 QC 21 - SA	50 pcs	3/22/19	0.00 0.00		QC 21 - SA - 21	
					QC 21 - SA - 70	MAR 13 2019 DAS
					QC 21 - SA - 53	70 9-89

Part Op **100** - Purchasing - Issue P/O: _____ Purchase part as per Dwg D2611 Possible supplier: McMaster or CTG P/N:
 Descriptions: 63215K34

110 - Receive & Inspect for Damage & Mat'l Certs - Ensure certificate of conformity is attached

120 - QC6- All purchased or subcontracted products)

130 - Identify as per dwg & Stock Location: _____

140 - QC21- Final Inspection - Work Order Release

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
63215K34	Bearing	50 Ea (1 ea)	100-Purchasing	5152119
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	63215K34	50	0	0
Part Specifications				
Specifications could not be found.				

Plex 2/4/19 1:33 PM dart.white.jesse

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread		Other/Details:			



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042513



Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

PO No: PO042513

PO Date: 2/5/19

Due Date: 2/8/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

EMAILED
FEB 06 2019

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
① Jonathan		05045315	8526A65 1/PK	9/64" Hex Bit	Firmed -		2/8/19	12 Ea	0 Ea	12 Ea	\$0.76/Ea	\$9.12
②		05045174	52725A31 1/PK	Mini Tatchet, 3-3/4"	Firmed -		2/8/19	3 Ea	0 Ea	3 Ea	\$11.79/Ea	\$35.37
③	190056	63215K34		Bearing AS PER DWG D2611 REV. C	Firmed -		2/8/19	50 Ea	0 Ea	50 Ea	\$17.24/Ea	\$862.00
④		93286A013	100/pk	Aluminum Washer 0.265" ID. X 0.688" OD.	Firmed -		2/8/19	100 Ea	0 Ea	100 Ea	\$0.078/Ea	\$7.80
⑤		97447A651	100/pk	Aluminum Blind Rivets 1/4" Dia. X 1/2" Long	Firmed -		2/8/19	100 Ea	0 Ea	100 Ea	\$0.2092/Ea	\$20.92
⑥		7496K87	5/pk	Heat Shrink Tubing, Black, 0.38" ID	Firmed -		2/8/19	25 Ea	0 Ea	25 Ea	\$1.064/Ea	\$26.60
⑦		87975K55	75 ft roll	Nylon Fabric Strip, Black, 1" Wide x 75 Feet Long, 0.02" Thick	Firmed -		2/8/19	75 ft	0 ft	75 ft	\$0.2781333/ft	\$20.86
⑧		90985A113	1/pk	SS quick release pin 1/4" x 1-1/2"	Firmed -		2/8/19	9 Ea	0 Ea	9 Ea	\$20.45/Ea	\$184.05
⑨		92196A341	25/pk	Socket Head Screw 5/16"-24	Firmed -		2/8/19	50 Ea	0 Ea	50 Ea	\$0.3712/Ea	\$18.56



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042513



Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
10		MBRONZR1.250	8932K47 6-1/2" per pcs	Bronze Round Bar 1.250" : MATERIAL: OIL IMPREGNATED SINTERED BRONZE ROUND BAR AS PER SAE 841 TYPE 1, CLASS A OR AMS 4805 OR ASTM B438 GRADE 1, TYPE 2 OR MIL-B-5687D TYPE 1, GRADE 1 receive ft	Firmed	-	2/8/19	2.167 ft	0 ft	2 ft	\$77.243076/ft	\$167.39
Line Item Note 4 pcs of 6.5" long												
11		2044T47	4 ft long	Tube Ø1.09	Firmed	-	2/8/19	24 ft	0 ft	24 ft	\$0.605/ft	\$14.52
12		3550T34	20 ft	Steel Wire Rope Sling 1/4" Dia.	Firmed	-	2/8/19	20 ft	0 ft	20 ft	\$2.515/ft	\$50.30
13		3568T42	1/pk	Steel Oblong Link 1/2" Thk. x 5" Lg. x 2-1/2" Wd. x 4100 lbs. Capacity	Firmed	-	2/8/19	4 Ea	0 Ea	4 Ea	\$29.70/Ea	\$118.80
14		8494T13	1/pk	Steel Screw Pin Shackle 3/8" Pin Dia. x 1500 lbs. Capacity	Firmed	-	2/8/19	4 Ea	0 Ea	4 Ea	\$7.05/Ea	\$28.20
15		8494T28	1/pk	Steel Safety Pin Shackle 3/8" Thk. x 7/16" Dia.	Firmed	-	2/8/19	4 Ea	0 Ea	4 Ea	\$15.15/Ea	\$60.60
16		93298A125	50/pk	Steel Nylon Insert Flange Locknut 5/16"-24 x 11/32" Height	Firmed	-	2/8/19	50 Ea	0 Ea	50 Ea	\$0.11/Ea	\$5.50
17		94007A212	1/pk	M8 Screw Size Female Leveling Washer	Firmed	-	2/8/19	4 Ea	0 Ea	4 Ea	\$6.99/Ea	\$27.96
Grand Total:											\$1,658.55	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042513



Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 DOCUMENT SPECIAL REQUIREMENTS
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 2/5/19 3:15 PM dart.lavoie.chantal



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Chantal Lavoie

Purchase Order
PO042513

Order Placed By
Chantal Lavoie

McMaster-Carr Number
7581867-01

Page 1 of 2

02/06/2019

Line	Product	Ordered	Shipped
3	63215K34 Corrosion-Resistant Swivel Joint, Lubrication-Free, 3/8" ID, 13/16" OD	50 Each	35
16	93298A125 Medium-Strength Steel Nylon-Insert Flange Locknut, Grade F, Zinc-Plated, 5/16"-24 Thread Size, Packs of 50	1 Pack	1

Shipped separately from our Cleveland warehouse on 02/06

1	8526A65 9/64" Hex Bit, 1/4" Hex Shank	12 Each	12
2	52725A31 4-1/8" Long Angled Ratcheting Bit Screwdriver	3 Each	3
3	63215K34 Corrosion-Resistant Swivel Joint, Lubrication-Free, 3/8" ID, 13/16" OD	50 Each	15
4	93286A013 Aluminum Washer for 1/4" Screw Size, 0.265" ID, 0.688" OD	1 Pack	1
5	97447A651 Aluminum Blind Rivets with Aluminum Mandrel, Domed Head, 1/4" Diameter, for 0.063"-0.25" Material Thickness	2 Packs	2
6	7496K87 Heat-Shrink Tubing, Black Refill Assortment, 0.38" ID Before Shrinking	5 Packs	5
7	87975K55 Nylon Fabric Strip, Black, 1" Wide x 75 Feet Long, 0.02" Thick	1 Each	1
8	90985A113 Knob-Grip Push-Button Quick-Release Pin, 1/4" Diameter, 1-1/2" Usable Length	9 Each	9
9	92196A341 18-8 Stainless Steel Socket Head Screw, 5/16"-24 Thread Size, 1" Long	2 Packs	2
10	8932K47 Oil-Filled 841 Bearing Bronze Rod, 1-1/4" Diameter, 6-1/2" Long	4 Each	4
11	2044T47 Round Cut-to-Length Shipping Tube, 1.09" ID, 48" Inside Length	6 Each	6

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Chantal Lavoie

Purchase Order
PO042513
Order Placed By
Chantal Lavoie

McMaster-Carr Number
7581867-01

Page 2 of 2

02/06/2019

Line	Description	Ordered	Shipped
13	3568T42 Grade 80 Oblong Link - for Lifting, Alloy Steel, for 9/32 Chain Trade Size (One Chain)	4 Each	4
14	8494T13 Black-Oxide Steel Shackle with Screw Pin - for Lifting, 5/16" Thick	4 Each	4
15	8494T28 Black-Oxide Steel Shackle with Safety Pin - for Lifting, 3/8" Thick	4 Each	4
17	94007A212 Female Washer for M8 Screw Size Two Piece 18-8 Stainless Steel Leveling Washer	4 Each	4

Expected to ship

12	3550T34 Wire Rope Sling with Crimped and Reinforced Thimble Eyes, 1/4" Diameter, 20 Feet	1 Each	1 Feb 12-14
----	---	------------------	--------------------



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Chantal Lavoie

Purchase Order
PO042513

Order Placed By
Chantal Lavoie

McMaster-Carr Number
7581867-02

Page 1 of 2

02/06/2019

Line	Product	Ordered	Shipped
1	8526A65 9/64" Hex Bit, 1/4" Hex Shank	12 Each	12
2	52725A31 4-1/8" Long Angled Ratcheting Bit Screwdriver	3 Each	3
3	63215K34 Corrosion-Resistant Swivel Joint, Lubrication-Free, 3/8" ID, 13/16" OD	50 Each	15
4	93286A013 Aluminum Washer for 1/4" Screw Size, 0.265" ID, 0.388" OD, Packs of 100	1 Pack	1
5	97447A651 Aluminum Blind Rivets with Aluminum Mandrel, Domed Head, 1/4" Diameter, for 0.063"-0.25" Material Thickness, Packs of 50	2 Packs	2
6	7496K87 Heat-Shrink Tubing, Black Refill Assortment, 0.38" ID Before Shrinking, Packs of 5	5 Packs	5
7	87975K55 Nylon Fabric Strip, Black, 1" Wide x 75 Feet Long, 0.02" Thick	1 Each	1
8	90985A113 Knob-Grip Push-Button Quick-Release Pin, 1/4" Diameter, 1-1/2" Usable Length	9 Each	9
9	92136A341 18-8 Stainless Steel Socket Head Screw, 5/16"-24 Thread Size, 1" Long, Packs of 25	2 Packs	2
10	8932K47 Oil-Filled 8mm Bearing Bronze Rod, 1-1/4" Diameter, 6-1/2" Long	4 Each	4
13	3568T42 Grade 80 Oblong Link - for Lifting, Alloy Steel, for 9/32 Chain Trade Size (One Chain)	4 Each	4
14	8494T13 Black-Oxide Steel Shackle with Screw Pin - for Lifting, 5/16" Thick	4 Each	4
15	8494T28 Black-Oxide Steel Shackle with Safety Pin - for Lifting, 3/8" Thick	4 Each	4
17	94007A212 Female Washer for M8 Screw Size Two Piece 18-8 Stainless Steel Leveling Washer	4 Each	4

Shipped separately from our Chicago warehouse on 02/06

3	63215K34 Corrosion-Resistant Swivel Joint, Lubrication-Free, 3/8" ID, 13/16" OD	50 Each	35
16	93298A125 Medium-Strength Steel Nylon-Insert Flange Locknut, Grade F, Zinc-Plated, 5/16"-24 Thread Size	1 Pack	1



Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Chantal Lavoie

Purchase Order
PO042513

Page 2 of 2

02/06/2019

Order Placed By
Chantal Lavoie

McMaster-Carr Number
7581867-02

Expected to ship

12 **3550T34** Wire Rope Sling with Crimped and Reinforced Thimble Eyes, 1/4" Diameter, 20 Feet

1
Each

1 Feb 12-14